

ERRATA SHEET

TENTATIVE ORDER NO. R9-2005-0219, NPDES NO. CA0107395

WASTE DISCHARGE REQUIREMENTS FOR THE
ENCINA WASTEWATER AUTHORITY
ENCINA WATER POLLUTION CONTROL FACILITY
AND SATELLITE WASTEWATER TREATMENT PLANTS
DISCHARGE TO THE PACIFIC OCEAN VIA THE ENCINA OCEAN OUTFALL

Each of the following changes has been made to Tentative Order No. R9-2005-0219; NPDES No. CA0107395, in response to comments received to date or as initiated by the Regional Board. The changes/corrections are shown below in **bold and underline**/~~strikeout~~ format to indicate added and removed language, respectively.

1. The effective and expiration dates in Table 3 Administrative Information on page 1 have been revised as follows:

This Order was adopted by the Regional Water Board on:	October 12, 2005
This Order shall become effective on:	January 1, 2006 <u>October 12, 2005</u>
This Order shall expire on:	January 1, 2011 <u>October 12, 2005</u>
The U.S. Environmental Protection Agency (U.S. EPA) and the Regional Water Board have classified this discharge as a major discharge.	
The Discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of the Order expiration date as application for issuance of new waste discharge requirements.	

2. The paragraph under B. Facility Description on page 5 as has been modified to include additional information and also to make additional corrections as follows:

. . . . The Discharger owns and operates the Encina Water Pollution Control Facility (EWPCF) and the Encina Ocean Outfall (EOO). The EWPCF has secondary treatment facilities to currently treat wastewater up to 36 million gallons per day (MGD), **and the design capacity of the EOO is 75 MGD.** The EWPCF provides the majority of municipal wastewater treatment services to . . .

. . . . Each EWA member agency owns, operates and maintains its own wastewater collection system which conveys wastewater to the EWPCF; **EWA does not own any portion of a wastewater collection system.**

. . . . Screenings from the headworks and solids from grit removal at EWPCF are trucked to a local landfill or an Arizona landfill. Dewatered treated ~~sludge is~~ **biosolids are** land applied in Arizona. **The wastewater collections systems tributary to EWPCF and VMWRP are not subject to the requirements and provisions of this Order. The satellite wastewater treatment plants (CWRF,**

BSWRP and VMWRP) are subject to the requirements and provisions of this Order for all discharges through the EOO, and EWA is legally responsible under this Order to ensure their compliance. Attachment B provides a ~~topographic~~ map of the area around the EOO and the Facility~~yies-which can discharge through the EOO~~. Attachment C provides a flow schematic of the Facility~~yies-which can discharge through the EOO~~.

3. The following sentence has been added to the first full paragraph on page F-8 of the Fact Sheet as follows:

... and the Regional Water Board maintains that the BSWRP should continue to be subject to the requirements of this Order although it is a non-operating wastewater treatment plant. **Specifically, a discharge from the BSWRP through the EOO to the Pacific Ocean, if such discharge occurs, is subject to secondary treatment standards and water quality-based effluent limitations of this Order, and the BSWRP remains subject to all of the standard provisions in Attachment D of this Order.**

4. The following corrections have been made to Table 1 and Table 2 on page 1:

Table 1. Discharger Information

Discharger	Encina Wastewater Authority
Name of Facility	Encina Ocean Outfall
Facility Address	6200 Avenida Encinas Carlsbad, CA 92009 <u>92011</u> San Diego County

Table 2. Outfall Location

Discharge Point	Effluent Description	Discharge Point Latitude	Discharge Point Longitude	Receiving Water
Outfall 001	POTW Effluent and waste brine	33° 06' 8933.59 <u>8933.59</u> " N	117° 24' 0352.77 <u>0352.77</u> " W	Pacific Ocean

5. The Table of Contents has been modified to indicate that the section "Bacterial Characteristics" begins on page 18 instead of page 19.
6. The following modifications have been made to Table 7a and Table 7b on page 12

Table 7a. Effluent Limitations based on Secondary Treatment Standards

Constituent	Units	Effluent Limitations					
		Max Daily	Average Monthly	Average Weekly	Instantaneous		6 Month Median
					Min	Max	
CBOD 5-day 20°C *	mg/l		25	40			

Constituent	Units	Effluent Limitations					
		Max Daily	Average Monthly	Average Weekly	Instantaneous		6 Month Median
					Min	Max	
	lbs/day		9.0 E+03	14.4 E+03 <u>1.4 E+04</u>			
	%	The average monthly percent removal shall not be less than 85 percent.					
Total Suspended Solids *	mg/l		30	45			
	lbs/day		10.8 E+03 <u>1.1 E+04</u>	16.3 E+03 <u>1.6 E+04</u>			
	%	The average monthly percent removal shall not be less than 85 percent.					

Table 7b. Effluent Limitations based on the 2001 California Ocean Plan

Constituent	Units	Effluent Limitations					
		Max Daily	Average Monthly	Average Weekly	Instantaneous		6 Month Median
					Min	Max	
Oil and Grease	mg/l		25	40		75	
	lbs/day		9.0 E+03	14.4 E+03 <u>1.4 E+04</u>		2.7 E+04	

7. Provision VI.A.2.h on page 21 is modified as follows:

The ~~Discharger's~~ wastewater treatment facilities that discharge through the EOO shall be operated and maintained in accordance with the operations and maintenance manual prepared ~~by the Discharger for each facility~~ pursuant to the Clean Water Grant Program

8. Provision VI.C.2.d on page 25 is modified as follows:

d. Sanitary Sewer Systems and Sanitary Sewer Overflow Reporting Requirements *

A sanitary sewer system is a wastewater collection system including sewers, pipes, pumps, or other conveyances which convey wastewater

The Discharger shall report sanitary sewer overflows from the sanitary sewer system owned and operated by the Discharger in accordance with Monitoring and Reporting Program No. 96-04, Sanitary Sewer Overflow Reporting Procedures for Sewage Collection Agencies, incorporated by reference into this Order.

**EWA does not own any portion of a sanitary sewer system.*

9. Provision VI.C.2.f on page 29 is modified as follows:

- 5) The Discharger shall submit a semiannual SIU compliance status report to the Regional Water Board, the State Water Board, and the USEPA. The reports shall cover the periods of January 1 through June 30, ~~and July 1 through December 31~~ and shall be submitted no later than September 1 ~~and March 1, respectively~~. The report shall identify: . . .

10. The third paragraph of Provision VII.M is modified as follows:

If a toxicity effluent limitation or performance goal identified in Section IV.B of this Order is exceeded, then within 15 days of **determining** the exceedance, the Discharger shall conduct chronic and acute toxicity tests . . .

11. Provision VII.P.2 on page 37 is modified as follows:

A Discharger may assert SOU to limit liability only for those violations which the Discharger submitted notice of the upset as required in Provision ~~E.5.b(2)~~ **V.E.2.b** of Attachment D - Standard Provisions.

12. Page C-3 is modified to include a schematic of the Vallecitos Meadowlark Water Reclamation Plant (see page 11 of this Errata Sheet).

13. Table 11 on page E-17 of the Attachment E is renumbered as Table 10. The Table of Contents on page E-1 is corrected as follows:

List of Tables

Table 9. Infauna Monitoring Requirements	E-13
Table 10. Demersal Fish and Macroinvertebrates Monitoring Requirements.....	E-13
Table 11 10 . Reporting Schedule	E-17

14. Provision I.E on page E-2 is modified as follows:

Records of monitoring information shall include information required under ~~Standard Provision IV~~ **Attachment D, Section VI. Standard Provisions - Records.**

15. The “monitoring location description” for the row for “Outfall 001” in Table 1 on page E-3 is modified as follows:

At a location where representative samples of commingled effluent from EWPCF, VMWRP, CWRP, and BSWRP can be collected.

16. The following sentence is added to Provision II.3 on page E-5:

If a positioning system is used to locate receiving water monitoring stations for a specific reporting period, the discharger shall include a summary of the sampling location coordinates of each station in the required monitoring report.

17. Table 2 on page E-5 is modified as follows:

Table 2. Influent Monitoring

Parameter	Units	Sample Type	Minimum Sampling Frequency
Flow	MGD	recorder / totalizer	continuous
CBOD ₅ @ 20° C	mg/L	24 hr composite	weekly
BOD ₅ @ 20° C	mg/L	24 hr composite	weekly monthly
TSS	mg/L	24 hr composite	weekly

18. Table 3a and the sentence above Table 3a on page E-5 are modified as follows:

The Discharger shall monitor secondary effluent at monitoring location M-001, M-002, M-003, and M-004 as follows (Endnotes are located at the end of the MRP starting on page ~~17E-20~~):

Table 3a. Effluent Monitoring at M-001, M-002 and M-003

Parameter	Units	Sample Type ¹	Minimum Sampling Frequency
Flow ¹⁴	MGD	recorder / totalizer	continuous
CBOD ₅	mg/L	24 hr composite	daily three days per week ²
BOD ₅	mg/L	24 hr composite	monthly
TSS	mg/L	24 hr composite	daily ²
pH	pH Units	grab	daily ²

19. Endnote 2 on page E-20 is modified as follows:

~~Five~~ **Three** days per week except seven days per week for at least one week during July or August of each year.

20. The first sentence under Section V on page E-8 is modified as follows:

The Discharger shall conduct acute and chronic toxicity testing on effluent samples collected at Effluent Monitoring Station M-~~003-004~~ in accordance with the following schedule and requirements:

21. Table 5 on page E-8 and E-9 is modified as follows:

Table 5. Approved Tests for Chronic Toxicity

Species	Test	Tier ^{1A}	Reference ^{2B}
giant kelp, <i>Macrocystis pyrifera</i>	percent germination; germ tube length	1	a, c
red abalone, <i>Haliotis rufescens</i>	abnormal shell development	1	a, c

22. The footnotes below Table 5 on page E-9 are modified as follows:

^{1A} First tier methods are preferred for compliance monitoring. If first tier organisms are not available, the Discharger can use a second tier test method following approval by the Regional Water Board.

^{2B} Protocol References:

a. Chapman, G.A., D.L. Denton, and J.M. Lazorchak. 1995.

23. Provision VI.A.3 on E-10 is modified as follows:

At the same time samples are collected from surf zone stations, the following information shall be recorded: observation of wind direction and speed; weather (cloudy, sunny, or rainy); current direction; tidal conditions; and observations of water color, discoloration, oil and grease; turbidity, odor, and materials of sewage origin in the water or on the beach; **and** water temperature (° F). ~~and status of the mouth of the Buena Vista Lagoon (open, closed, flow, etc.)~~

24. Provisions VI.B.5 and VI.B.6 on page E-10 are renumbered as Provision VI.B.1 and VI.B.2, respectively.

25. Table 7a on page E-11 is modified as follows:

Table 7a. Off Shore Water Quality Reduced Monitoring Requirements

Determination	Units	Type of Sample	Minimum Frequency
Visual Observations	-	-	monthly
Total and Fecal Coliform	number / 100 ml	grab 11 ¹¹	monthly
Enterococcus 5 ⁵	number / 100 ml	grab 11 ¹¹	monthly

26. The first sentence of Provision VI.C.2 on page E-11 is modified as follows:

The intensive off shore water quality monitoring specified below is required during the 12-month period beginning July 1, 2008 through June 30, 2009, and must be submitted by ~~August~~ **October** 31, 2009.

27. The first paragraph under Provision VI.H on page E-15 is modified as follows:

The Discharger shall perform the intensive monitoring as described by this MRP ~~for year 4 of the Order and participate in conjunction with~~ the Southern California Coastal Water Research Project (SCCWRP) Bight Study ~~in year 5 of this Order.~~

28. Where the term “Mgallons/Day” occurs in the Fact Sheet and tentative Order, it is replaced with “MGD”.

29. The following rows in Table 1 on page F-3 are modified as follows:

Table 1. Facility Information

Facility Address	6200 Avenida Encinas Carlsbad, CA 92009 92011 San Diego County
Mailing Address	6200 Avenida Encinas Carlsbad, CA 92009 92011 San Diego County
Billing Address	6200 Avenida Encinas Carlsbad, CA 92009 92011 San Diego County
Reclamation Requirements	Producer and Distributor (regulated under separate WDRs) <u>Vallecitos Water District and Carlsbad Municipal Water District are regulated under separate WDRs as Producers and Distributors of recycled water.</u>

30. The third sentence under I.A on page F-3 is modified as follows:

The **Carlsbad Municipal Water District, a subsidiary of the** City of Carlsbad, **which is** a member agency of the EWA, independently owns and operates the Carlsbad Water Recycling Facility (CWRP), a municipal POTW.

31. The fifth sentence under I.A on page F-3 is modified as follows:

The Buena Sanitation District independently owns the Shadowridge Water Reclamation Plant (BSWRP) and land outfall **structure prior to connection with the VMWRF land outfall.**

32. The first full paragraph on page F-6 is modified as follows:

The EWA provides the majority of wastewater treatment and disposal services to a population of approximately 281,000 within the boundaries of the EWA member agencies. The EWA owns and operates the Encina Water Pollution Control Facility (EWPCF) and the Encina Ocean Outfall (EOO). Each EWA member agency owns, operates and maintains its own wastewater collection system which conveys wastewater to the EWPCF; **EWA does not own any portion of a wastewater collection system.** . . . The Buena Sanitation District independently owns the Shadowridge Water Reclamation Plant (BSWRP) and land outfall; these facilities are non-operational but maintain a connection to the EOO. For purposes of the waste discharge requirements contained in Order No. R9-2005-0219, the EWA is the Discharger, and the EWPCF, VMWRP, CWRF, ~~and~~ BSWRP **and the land outfalls for VMWRP and BSWRP** are collectively referred to as the **Discharger's EOO** Facilities. Order No. R9-2005-0219 establishes discharge prohibitions, limitations, and conditions to regulate discharges of effluent consisting of treated wastewater and waste brine from the Discharger's Facilities to the Pacific Ocean; these discharges were regulated by Order No. 2000-036 (NPDES Permit No. CA0107395) that expired on April 12, 2005 and administratively extended until the adoption of this Order. **The wastewater collection systems tributary to EWPCF and VMWRP are not subject to the requirements and provisions of this Order. The satellite wastewater treatment plants (CWRF, BSWRP and VMWRP) are subject to the requirements and provisions of this Order for all discharges through the EOO, and EWA is legally responsible under this Order to ensure their compliance. The effective date of this Order has been set as January 1, 2006 in order to accommodate a request from EWA to delay the adoption date of this Order by 60 days. EWA requested the delay so that EWA could negotiate agreements with the owner agencies of CWRF, BSWRP and VMWRP which would enable EWA to exercise its responsibility to ensure compliance with this Order.**

33. The following sentence in the third paragraph on page F-7 is corrected as follows:

All solids removed from wastewater at EWPCF are treated ~~at~~ onsite to meet . . .”

34. Table 2a on page F-9 is modified as follows:

Table 2a. Facilities tributary to the Encina Ocean Outfall

Agency	Discharging Facility	Nature of Discharge	Current Design Flow Capacity (MGD)	Projected Design Flow Capacity (MGD)
Encina Wastewater Authority	Encina Water Pollution Control Facility (EWPCF)	Secondary treated effluent	36.0	40.5
Vallecitos Water District	Meadowlark Water Reclamation Plant (VMWRP)	Tertiary treated effluent	2.25	5.0

Agency	Discharging Facility	Nature of Discharge	Current Design Flow Capacity (MGD)	Projected Design Flow Capacity (MGD)
City of Carlsbad <u>Carlsbad</u> <u>Municipal Water</u> <u>District</u>	Carlsbad Water Recycling Facility (CWRf)	Tertiary treated effluent, Reverse osmosis brine	4.0	2.0 <u>4.0</u>

35. The fifth sentence of the first paragraph under II.B on page F-10 is corrected as follows:

The terminus of the diffuser is located at Latitude 33° 06' ~~89~~ 33.59" North, Longitude 117° ~~210~~ 03 52.77" West.

36. The following row in Table 4 on page F-11 is corrected as follows:

Table 4. Historic Effluent Limitations and Monitoring Data

Parameter (units)		Effluent Limitation			Monitoring Data (From 1999 To 2003)	
		Monthly Average (30-day)	Weekly Average (7-day)	Maximum at any time	Mean Discharge	Maximum Discharge
TSS	mg/L	30	45	50	8.6	57.4 <u>93</u>
	lbs/day	9,500	14,000	16,000		

37. Provision III.A on page F-13 is modified as follows:

This Order is issued pursuant to section 402 of the Federal Clean Water Act (CWA) and implementing regulations adopted by the U.S. Environmental Protection Agency (USEPA) and Chapter 5.5, Division 7 of the California Water Code (CWC). It shall serve as a NPDES permit for point source discharges from the ~~Discharger's~~ EOO Facilities to the Pacific Ocean at Outfall 001. This Order also contains discharge prohibitions, effluent limitations, discharge specifications, provisions, and other requirements pursuant to the CWC.

38. Table 12 on page F-24 is revised as follows:

Table 12. New Toxic Pollutants and Corresponding ~~Limitations~~ Performance Goals

Pollutant	Units	Monthly Average
Chlorodibromomethane	µg/L	7.6 E+02 <u>1.2 E+03</u>
	lbs/day	1.4 E+02 <u>4.5 E+02</u>
Dichlorobromomethane	µg/L	5.5 E+02 <u>9.0 E+02</u>
	lbs/day	1.0 E+02 <u>3.2E+02</u>
N-nitrosodi-N-propylamine	µg/L	3.3 E+02 <u>5.5 E+01</u>
	lbs/day	6.4 E+00 <u>2.0 E+01</u>
Heptachlor epoxide	µg/L	1.8 E-03 <u>2.9 E-03</u>

	lbs/day	3.4 E-04 <u>1.0 E-03</u>
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39. Table 13 on page F-24 and F-25 is revised as follows:

Table 13. Toxic Pollutant ~~Effluent Limitations or~~ Performance Goals Based on the 2001 Ocean Plan

Pollutant	Units	Effluent Limitation Monthly Average	Performance Goal Monthly Average
1,1-dichloroethylene	µg/L	7.9 E+01	<u>1.3 E+02</u>
	lbs/day	1.5 E+01	<u>4.7 E+01</u>
Isophorone	µg/L		6.4 E+04 <u>1.1 E+05</u>
	lbs/day		1.2 E+04 <u>3.8 E+04</u>
Tetrachloroethylene	µg/L	1.8 E+02	<u>2.9 E+02</u>
	lbs/day	3.4 E+01	<u>1.0 E+02</u>
Thallium	µg/L	1.8 E+02	<u>2.9 E+02</u>
	lbs/day	3.4 E+01	<u>1.0 E+07</u>
1,1,2,2-tetrachloroethane	µg/L	2.0 E+02	<u>3.3 E+02</u>
	lbs/day	3.9 E+01	<u>1.2 E+02</u>
1,1,2-trichloroethane	µg/L	8.3 E+02	<u>1.4 E+03</u>
	lbs/day	1.6 E+02	<u>4.9 E+02</u>
1,2-dichloroethane	µg/L	2.5 E+03	<u>4.1 E+03</u>
	lbs/day	4.7 E+02	<u>1.5 E+03</u>
Heptachlor	µg/L	4.4 E-03	<u>7.3 E-03</u>
	lbs/day	8.4 E-04	<u>2.6 E-03</u>

40. The first sentence on page F-32 is corrected as follows:

The technology-based standards for POTW performance are promulgated at 40 ~~CRF~~ CFR 133 expressed as 30-day averages . . .

41. The first sentence under VII.B.2.E.3) is modified as follows:

Compliance Determination section ~~VII.Q~~ VII.P of Order No. R9-2005-0219 addresses how a Discharger may be able to limit his . . .

42. The first sentence under VII.B.2.E.4) is modified as follows:

Provision ~~E.5(b)(2)~~ V.E.2.b of Attachment D – Standard Provisions requires that “any upset that exceeds any effluent limitation in this Order” must be reported . . .

ENCINA WASTEWATER AUTHORITY
TENTATIVE ORDER NO. R9-2005-0219
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Meadowlark Water Reclamation Facility Schematic Flow Diagram

